REMARKS

Applicants sincerely appreciate withdrawal of the rejection under 35 U.S.C. §103(a) of the claims over Gore et al. in view of Cremeans et al.

As of the final Office Action, claims 1, 8 and 9 are rejected under 35 U.S.C. §112, first paragraph.

Claims 1, 8 and 9 are rejected based on the determination of the Primary Examiner that the claims fail to comply with the written description requirement. Specifically, in claim 1, amended previously, it is stated that the 3-dimensional object is formed from the dispersion of a crystalline, radiochromic monomer and that an energy field is applied to the 3-dimensional object to initiate polymerization of the polyacetylene monomer.

The Primary Examiner pointed out that the polyactylene monomer is contained in an image display receiver, not in the 3-dimensional object onto which the energy field is applied. Applicants completely agree with this holding. The order of steps pointed out by the Primary Examiner and supported by the specification is as follows:

1) the 3-dimensional object is contained in a rigid or high-density semi-solid matrix which also comprises a dispersion of a crystalline, radiochromic, polyacetylene monomer...;
2) an energy field is applied;
3) optical scanning is applied;
4) summation of 2-dimensional representation of optical changes in the object recorded in the image display receiver; and
5) reconstruction of the 2-dimensional representations to provide a 3-dimensional image of the object in high optical resolution.

Based on the amendment, Applicants respectfully request withdrawal of the rejection of claims 1, 8 and 9 under 35 U.S.C. §112, first paragraph.

Having responded to the Final Office Action in the way suggested by the Primary Examiner, passing the case to allowance is respectfully requested.

Respectfully submitted,

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